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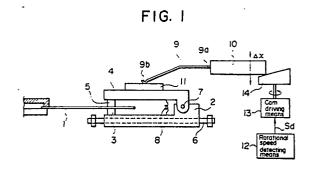
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- Disc drive systems.
- a magnetic disc (1), a transducer arrangement including magnetic heads (3, 5) for transducing information from and on to the magnetic disc (1), and biasing means such as a leaf spring (9) for biasing the magnetic heads (3, 5) against the magnetic disc (1) with a biasing pressure dependent on the rotational speed of the magnetic disc (1). When the rotational speed of the disc (1) is increased, the pressure due to air flow generated by the rotation of the disc (1) increases, which would otherwise increase the spacing disrance of the magnetic heads (3, 5) from the disc (1). However, since the force provided by the leaf spring (9), and therefore the contact pressure between the magnetic heads (3, 5) and the disc (1), is increased with increasing rotational speed, the spacing distance of the magnetic heads (3, 5) from the disc (1) may be maintained substantially constant. Therefore, although the rotational speed of the disc (1) is increased, the socalled spacing loss in the reproduced signal is not increased, thereby enabling good reproduction to **L** take place.

A disc drive system includes a motor for rotating



## **EUROPEAN SEARCH REPORT**

EP 87 30 6256

Category	Citation of document with in of relevant pas		Relevan	
A	IBM TECHNICAL DISCLO volume 25, no. 10, N 4968,4969; T.R. FOUN "Cam-controlled head whole document *	OSURE BULLETIN March 1983, pages RNIER et al.:	1	G 11 B 5/58 G 11 B 17/32
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	The present search report has b	een drawn up for all claims		
Place of search BERLIN		Date of completion of the search 27-11-1988	^	Examiner UNUMEDON D
CATEGORY OF CITED DOCUMENTS  X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category		NTS T: theory or pri E: earlier paten after the fili	nciple underlyin t document, but	HAUMERON B.  Ig the invention to published on, or coation to soons
A : technological background O : non-written disclosure P : intermediate document		& : member of t	he same patent	family, corresponding